# User Guide

# Ultrasonic Mutliplus

M0159RZD

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| **Application** | **Optimization of Ultrasonic Cleaning Processes** |
| **Features & Benefits** | • Optimises the ultrasonic cleaning process in medium to heavy duty operations<br>• Proven on most durable hard surfaces, electronics, metals, plastics & ceramics<br>• Suitable for pre-spray or immersion methods<br>• Free-rinsing: leaves no residues. |
| **Dilution** | LIGHT SOILING: 1% (10ml made up to 1litre)<br>MEDIUM SOILING: 5% (50ml made up to 1litre)<br>EXTREME SOILING: 20% (200ml made up to 1litre) |
| **Equipment Required** | • Ultrasonic Cleaning Bath<br>• Spray Bottle or suitable measuring equipment<br>• A source of pure water preferably softened<br>• De-ionised water for rinsing electronic items |
| **Use Instructions** | **Chemical-in-Tank Method**<br>1. Degas the tank and add required concentration of product. NOTE: If using the pre-spray method you are only required to add a very small amount (10ml/litre).<br>2. Allow the tank to come to temperature. The choice of temperature will depend on items being cleaned. For non-temperature sensitive items run the tank at 55-70oC.<br>3. Set the ultrasonic unit running.<br>4. Have a timer available to help you time immersion cycles.<br>5. Immerse item ensuring that no air is trapped. Use basket for small or use items.<br>6. Rinse thoroughly with fresh water. For electrical items use distilled water.<br>7. Using a hot air gun remove the excess water from the item.<br>8. Use Ultrasonic Dewater for electrical items.<br>9. Place cleaned, rinsed item in suitable drying oven / room. |


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| | **Pre-spray Method**<br>1. Prepare a working solution in a suitable spray bottle.<br>2. Pre-spray item and where possible work it in with a soft brush.<br>3. Allow chemical to dwell for a set period before immersion in Ultrasonic. |
| ***Hints & Tips*** | *See supplementary data sheet on ultrasonic bath set-up and priming.* |
| ***Precautions*** | **Use all PPE advised in MSDS and COSHH Assessment**<br>Always test small areas of components to eliminate potential for surface damage. |


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